

20010604.qrp v02_n210.qrl.20010604

Date: Mon, 4 Jun 2001 19:03:09 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2210

QRP-L Digest 2210

Topics covered in this issue include:

- 1) [99326] Re: Poles, Inverted V's, and Lists, Oh my!
by "Bob Tellefsen" <n6wg@earthlink.net>
- 2) [99327] RE: Poles, etc.
by Kenneth Hoglund <hoglund@wfu.edu>
- 3) [99328] Ten Tec 1208
by "Joe Trombino" <w2kj@earthlink.net>
- 4) [99329] Re: A neat little Speaker
by "John Fisher" <va7no@telus.net>
- 5) [99330] Re: Ten Tec 1208
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- 6) [99331] New QRP Web Site
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- 7) [99332] K7FD/P and SeaPac PHOTOs
by "N7SG K7FD" <k7fd@hotmail.com>
- 8) [99333] QRP ARCI Milliwatt Field Day
by Randy Foltz <rfoltz@turbonet.com>
- 9) [99334] 6-Meter Beacon Site
by "Chuck Carpenter" <w5usj@globeco.net>
- 10) [99335] Re: Trade 6m xvtr for qrp
by n2go@arrl.net
- 11) [99336] Re: Poles, Inverted V's, and Lists, Oh my!
by David W Sher <davew9lya@juno.com>
- 12) [99337] Op Amps. Interchangable?
by "Dennis Payton" <dpayton@fwi.com>
- 13) [99338] SGC SG-2020 ADSP Retrofit
by adamvaz@palm.net (Adam Vazquez)
- 14) [99339] PW-1, actual results on 40m
by "N7SG K7FD" <k7fd@hotmail.com>
- 15) [99340] I1YRL on 14.005 @ 0417Z
by David Gauding <david.gauding@bbs.galilei.com>
- 16) [99341] Re: MH101 New site with MH101 pictures
by "Chuck Adams, K7Q0" <k7qo@earthlink.net>
- 17) [99342] RF-1 & Coils
by moglesto@ecentral.com
- 18) [99343] PSK for Linux
by moglesto@ecentral.com
- 19) [99344] HA2SZ on 14.006 @ 0454Z

- by David Gauding <david.gauding@bbs.galilei.com>
- 20) [99345] Re: MH101 New site with MH101 pictures
by "blinn" <blinn@smgazette.com>
- 21) [99346] QRP Classics
by "Paul Warman" <pswarman@pswarman.screaming.net>
- 22) [99347] Manhattan Style - Super Glue Performance With Age?
by "Dave Fifield" <ad6a@earthlink.net>
- 23) [99348] Re: Op Amps. Interchangable?
by "Dave Fifield" <ad6a@earthlink.net>
- 24) [99349] Re: Manhattan Style - Super Glue Performance With Age?
by "ZOOM" <kandrparker@sympatico.ca>
- 25) [99350] QRP Classics
by "Ingo DK3RED" <dk3red@t-online.de>
- 26) [99351] Re: Manhattan Style - Super Glue Performance With Age?
by Bruce Muscolino <w6toy@erols.com>
- 27) [99352] 17meter DSB: More DX!
by Bill Meara <n2cqr@clix.pt>
- 28) [99353] Re: Manhattan Style - Super Glue Performance With Age?
by "Dave Fifield" <ad6a@earthlink.net>
- 29) [99354] QRP Power
by William K Penhallegon <w4stx@juno.com>
- 30) [99355] Re: Manhattan Style - Super Glue Performance With Age?
by "John J. McDonough" <wb8rcr@arrl.net>
- 31) [99356] Re: Op Amps. Interchangable?
by "Paul Christensen" <paulc@mediaone.net>
- 32) [99357] Re: QRP Classics (revision)
by "Ingo DK3RED" <dk3red@t-online.de>
- 33) [99358] Re: HA2SZ on 14.006 @ 0454Z
by Shepherd@aol.com
- 34) [99359] Re: Manhattan Style - Super Glue Performance With Age?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 35) [99360] Poor Dipole SWR
by John DiLorenzo <jdilorenzo3301@altavista.com>
- 36) [99361] RE: Source for 250pF polyvaricon caps?
by "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
- 37) [99362] Re: Poor Dipole SWR
by "Ingo DK3RED" <dk3red@t-online.de>
- 38) [99363] Re: Manhattan Style - Super Glue Performance With Age?
by Louis Hlousek <lhlousek@nvtbell.net>
- 39) [99364] RE: 17meter DSB: More DX!
by "AI2Q Alex" <ai2q@adelphia.net>
- 40) [99365] Re: HF and the elevation advantage
by "Lau, Zack, W1VT" <zlau@arrl.org>
- 41) [99366] Re: Manhattan Style - Super Glue Performance With Age?
by "Paul Harden, NA5N" <na5n@rt66.com>
- 42) [99367] Re: Op Amps. Interchangable?
by Stan Yarema <bg783@scn.org>
- 43) [99368] Re: Manhattan Style - Super Glue Performance With Age?

- by "Paul Harden, NA5N" <na5n@rt66.com>
- 44) [99369] Re: HA2SZ on 14.006 @ 0454Z
by David Gauding <david.gauding@bbs.galilei.com>
- 45) [99370] SST-20 & Palm logging coming-out party tonite in Spartan Sprint
by David Ek <ekdave@earthlink.net>
- 46) [99371] Source of 12 meter Xtals
by Stan Yarema <bg783@scn.org>
- 47) [99372] FT-817 CAT Software Link
by Michael Melland <w9wis@charter.net>
- 48) [99373] Re: Manhattan Style - Super Glue Performance With Age?
by "ZOOM" <kandrparker@sympatico.ca>
- 49) [99374] Re: Manhattan Style - Super Glue Performance With Age?
by PDouglas12@aol.com
- 50) [99375] Re: SST-20 & Palm logging coming-out party tonite in Spartan Sprint
by w2qu@juno.com
- 51) [99376] Re: Poor Dipole SWR
by "DTX" <dtx@wood.tzo.com>
- 52) [99377] Using Computer Power Supplies with Radios
by "Phinizy, William" <wphinizy@filenet.com>
- 53) [99378] 5 SMK-1 Kits left, 50 Toroid Kits left
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 54) [99379] Re: Poor Dipole SWR
by Bruce Muscolino <w6toy@erols.com>
- 55) [99380] Re: Using Computer Power Supplies with Radios
by <igeq100@iupui.edu>
- 56) [99381] Unicounter Problem
by "Wishart, John" <John.Wishart@compaq.com>
- 57) [99382] Re: Using Computer Power Supplies with Radios
by "Rick Austin" <rick@ltcable.com>
- 58) [99383] RE:Need Schematic/parts list
by "J. W. (Dub) Thornton" <dub@oklahoma.net>
- 59) [99384] Re: Using Computer Power Supplies with Radios
by <igeq100@iupui.edu>
- 60) [99385] PSK for Linux (fwd)
by Paul Mills <cybrinjn@gis.net>
- 61) [99386] K1s and K2 are again shipping from stock.
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 62) [99387] Re: Using Computer Power Supplies with Radios
by Paul Kiciak <pkiciak@att.net>
- 63) [99388] Re: Using Computer Power Supplies with Radios
by Jeff <fantbb@yahoo.com>
- 64) [99389] RE: QRP Classics
by "Hare,Ed, W1RFI" <w1rfi@arrl.org>
- 65) [99390] Re: PSK for Linux
by "laura halliday" <marsgal42@hotmail.com>
- 66) [99391] End of the Run, the SMK-1's are gone!!
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 67) [99392] Re: Op Amps. Interchangable?

by "Steven Weber" <kd1jv@moose.ncia.net>
68) [99393] 20<=>6 transverter
by "Steven Weber" <kd1jv@moose.ncia.net>
69) [99394] FW: Unicounter Problem
by "Wishart, John" <John.Wishart@compaq.com>
70) [99395] Re: MH-101 - VFO comes alive in Cajunland
by n5ib@juno.com
71) [99396] /copper foil tape sources
by "Stuart Rohre" <rohre@arlut.utexas.edu>
72) [99397] Re: 20<=>6 transverter
by "Richard Brummer, K2JQ" <k2jq@bestweb.net>
73) [99398] Re: End of the Run, the SMK-1's are gone!!
by "Jay Bromley" <w5jay@alltel.net>
74) [99399] Re: Manhattan Style - Super Glue Performance With Age?
by n5ib@juno.com
75) [99400] Tuners & Keyers
by "Burke Jones" <Burke@howardandhelmer.com>

Date: Sun, 3 Jun 2001 16:00:52 -0700
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [99326] Re: Poles, Inverted V's, and Lists, Oh my!
Message-ID: <MABBJOEABOILMKCJCLFCGEOICHAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ken

Here's an idea I use with extendable pool cleaner handles. They are aluminum, and are in two telescoping pieces around 1.25 inch diameter. I slip the bottom of one pole over the top of the other pole. A hose clamp keeps the upper pole from sliding down the lower pole. I allow about 1 foot overlap. This gives a very light mast nearly 30 ft tall. If you hose clamp or duct tape an 8 ft thin bamboo pole to the top, you have a light and transportable mast about 36 feet tall. It will require guying with some nylon string, but is very light and easy to put up. One person can easily hold it while another nails down the ends of the guy strings.

You need to have the center of your antenna up at least a quarter wave (On 40m this is around 34 feet.), or it mostly blows pretty near straight up. This height is great for NVIS propagation, which reflects back down to earth fairly uniformly over roughly a 500 mile radius. This is an excellent arrangement for daytime 40m work. It is also pretty omnidirectional. At night after dark, when lower angle signals can propagate, the directionality will be roughly at right angles to the run of your wire. However, being an

inverted V, it will have some vertical radiation as well, so will be less directional than a fully horizontal dipole. Again, this is not necessarily bad.

Hope this helps a bit.

73, Bob N6WG

Date: Sun, 03 Jun 2001 19:10:58 -0400
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99327] RE: Poles, etc.
Message-ID: <3B1AC402.21590992@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Dave--

Good suggestions all. I am trying to avoid extra equipment (tuner) since we'll need to hike up to the site on a 50-60 degrees incline. There are enough folks around admiring the view that I would worry about the radials as well, which is why I was thinking of the inverted V.

Eventually it would be nice to have a selection of gear to pick from, and then select what fits the bill!

73 Ken KG4FGC

Date: Sun, 3 Jun 2001 19:38:42 -0400
From: "Joe Trombino" <w2kj@earthlink.net>
To: <QRP-L@LEHIGH.EDU>
Subject: [99328] Ten Tec 1208
Message-ID: <000701c0ec86\$5451e580\$57d9b23f@cdcvh01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fello QRP'ers:

If any of y'all out there have used a TenTec 1208 6M transverter with a K2 I

would appreciate any comments you might have on how well the combo works.
The K2 I built has the internal antenna tuner.

I want to get on 6M again and not sink a bunch of bucks into the effort thus
the idea of combining the mighty K2 with a transverter.

Many thanks for any info that might be provided.

73, Joe W2KJ K2 s/n 216
North Carolina

Date: Sun, 3 Jun 2001 16:52:55 -0700
From: "John Fisher" <va7no@telus.net>
To: <k5xu@concentric.net>
Cc: "qrp list" <qrp-l@Lehigh.EDU>
Subject: [99329] Re: A neat little Speaker
Message-ID: <000f01c0ec88\$50518100\$2520fea9@va7no>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just bought 4 KOSS HD/10 amplified computer speakers for 5.98
canadian. They have bass and treble boost and volume control. Two three inch
speakers good for 1.5 watts each. It can be run with 4 internal c cells or
an external wall wart 6 volts at about 500 mls. by the way I bought them at
staples office supply. If there are any staples in the states it will
probably cost you 3.50 us or so. even if you don't use them as they come
where can you get a stereo amp and two speaker with cords and plugs for
that price. you could even use the cases for homes for home brew gear. it
also says lifetime warranty. John

----- Original Message -----

From: "Mike Duke" <k5xu@concentric.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, June 03, 2001 1:08 PM
Subject: A neat little Speaker

> My recent search for a small monaural amplified speaker to be used with a
> talking bible led me to Radio Shack.

>

> There, I found catalog #277-1008, for \$11.95. This shirt-pocket size box
> contains a speaker, amplifier, and connector for a 9 volt battery. It has
> mini jacks for the input and output, a volume control, and a coaxial jack
> for external power.

>
> Although I bought this unit for use as outlined above, I have never
outgrown
> my childhood fetish of trying a newly acquired speaker on everything in
the
> house! My OHR-100 really comes to life when connected to it, giving me
> enough audio to fill my shack with the music of 30 meter cw.
>
> The speaker's 200 MW amplifier has more than enough power to drive the
> speaker into un-intelligibility with a very low input level.
>
> Give it a try if you don't want to be married to headphones.
>
>
> Mike Duke, President
> American Council of Blind Radio Amateurs
>
>
>

Date: Sun, 03 Jun 2001 16:58:58 -0700
From: Louis Hlousek <lhhousek@nvhbell.net>
To: w2kj@earthlink.net, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99330] Re: Ten Tec 1208
Message-ID: <014901c0ec89\$87977a60\$650dfea9@0016297931>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi Joe,

I have a 1208 under construction for use with my K2. Eric Swartz
(Elecraft) recommended it and uses one with his K2. The new rev 2.0 K2
software has support for transverters (power limit and correct frequency
display).

Lou W7DZN

Date: Sun, 03 Jun 2001 17:18:35 -0700
From: Mike <mschettler@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [99331] New QRP Web Site

Message-ID: <3B1AD3D5.DDCAFDDBE@worldnet.att.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"

Content-Transfer-Encoding: 7bit

After many hours trying to learn HTML, I finally have a web site. Some data on 2N2/40 and SMK-1 voltages. Anyone interested can go to

<http://home.att.net/~mschettler>

Comments/suggestions are welcome!

72

Mike Schettler WA6MER

Date: Sun, 03 Jun 2001 17:18:43 -0700

From: "N7SG K7FD" <k7fd@hotmail.com>

To: elecraft@qth.net

Cc: qrp-1@Lehigh.EDU

Subject: [99332] K7FD/P and SeaPac PHOTOS

Message-ID: <F160CTaogxLDp7mvjk000002d68@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

SeaPac was a blast! Hope you someday have a chance to visit the beautiful Oregon Coast...and the NW Ham Convention. This year's hamfest was especially fun meeting local northwest qrp'ers.

Please visit the site below for photo's and more...page one is of the 'grass roots' Elecraft effort and page 2 of the K7FD/P mini-qrpediton from Room 301:

<http://www.teleport.com/~cqdx/seapac.htm>

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 03 Jun 2001 18:45:43 -0700

From: Randy Foltz <rfoltz@turbonet.com>

To: qrp1_post <qrp-1@lehigh.edu>

Subject: [99333] QRP ARCI Milliwatt Field Day

Message-ID: <3B1AE847.E7CB70EB@turbonet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim, KJ5TF, sent a note about this earlier today. I'll expand on it a bit.

The ARRL Field Day is June 23 and 24. QRP ARCI has a piggy-back contest on the regular Field Day. The piggy-back contest name is Milliwatt Field Day. The name is a misnomer. You do NOT have to run less than 1 W to enter. The classic QRP CW power level of 5 W or less is just fine. (Since ARRL runs the main contest and they say QRP SSB is 5 W PEP, you'd be better off to just follow their lead on that point.)

The ARCI entry classes are 1) one watt or less - one operator, 2) one watt or less - two operators, one transmitter, 3) five watts max - one operator, 4) five watts max - two operators, one transmitter, and 5) club class. So you can see we've got a class for nearly every QRP group.

To enter use the ARRL rules and scoring then send me a summary sheet either by e-mail or regular mail at

Randy Foltz
809 Leith St.
Moscow, ID 83843

For complete ARRL rules see the May issue of QST.

The QRP ARCI contest results will appear in the January 2002 QRP Quarterly issue.

73,
Randy, K7TQ
QRP ARCI Contest Chairman

Date: Sun, 03 Jun 2001 09:35:38 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU
Subject: [99334] 6-Meter Beacon Site
Message-ID: <3.0.2.32.20010603093538.006b5690@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-L VHFers,

Here's a site that is up-to-date (mostly) with 6 meter beacons world-wide.

<http://6mt.com/beacon.htm>

Useful for checking band openings when you listen for signals the direction of an expected (or hoped for) opening...

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #749, RARA #3, NETXQRP Web Site <http://www.netxqrp.org>
[TMPS] Qs/130, States/40, DX/27, 3W to HF9V, March Key, Codeboy Keyer

Date: Sun, 3 Jun 2001 18:13:58 -0400 (EDT)
From: n2go@arrl.net
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99335] Re: Trade 6m xvtr for qrp
Message-ID: <Pine.LNX.4.21.0106031813370.952-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The xvtr appears to have been spoken for.

73,

Jim n2go

Date: Sun, 3 Jun 2001 17:38:45 -0500
From: David W Sher <davew9lya@juno.com>
To: hoglund@wfu.edu
Cc: qrp-l@Lehigh.EDU
Subject: [99336] Re: Poles, Inverted V's, and Lists, Oh my!
Message-ID: <20010603.220307.-960689.8.daveW9LYA@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Why not try PVC plumbing? It comes in 10' lengths, you can get telescoping sizes (use stove bolts to hold together) and three of 'em will cost less than a goof-ball retrrtiever. (note: personally, I prefer Labs)

Dave W9LYA
What wrought doG hath?

On Sun, 03 Jun 2001 16:57:43 -0400 Kenneth Hoglund <hoglund@wfu.edu> writes:

> In the middle of far too many meanderings I ended up at the local
> Wal-Mart, and checked on those dandy golf ball retrievers. Yup, had
> the
> 15 ft model in stock for \$10. Not very heavy, looks durable, but 15
> ft
> is a bit shy for an inverted V on 40m.
>
> The kids and I are planning a field trip to a local high point for
> some
> in the field operating, and having scouted the site, it looks like
> an
> inverted V would be the best antenna option---open rock with no
> trees
> does not make a dipole look possible.
>
> All that I know about Inverted V's can be listed on the thin end of
> the
> golf ball retriever pole, but I assume the mid-point needs to be up
> at
> least a 1/4 wavelength just like its cousin the dipole in order to
> get
> any directionality to the signal. That would be 16+ feet. So, has
> anyone
> successfully used one of these handy retrievers for an inverted 40m
> V
> and if so, did you supplement the height of the pole?
>
> And, after considering this might be a useful thing in light of the
> coming Field Day, not to mention all the nice warm weather for
> other
> outside operating fun, could several of you "been there, done that"
> veterans share with us a list of what you would not go out into the
> field without? Since I'm probably not the only newbie to field
> qrping,
> there are others who would benefit.
>
> 73
>

> Ken KG4FGC

>

>

Date: Sun, 3 Jun 2001 22:25:21 -0500
From: "Dennis Payton" <dpayton@fwi.com>
To: <qrp-1@Lehigh.EDU>
Subject: [99337] Op Amps. Interchangeable?
Message-ID: <00e901c0eca5\$fd00b20\$a7a854d1@locke>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm building Rick Campbell's 'Small High Performance CW Transceiver' from Nov. '95 QST. It uses the mini-R2 board which calls for (2) NE5532 dual low-noise op amps. and (2) NE5514 quad low-noise op amps. I can't find NE5514's anywhere and don't have NE5532's on hand. I do have a bunch of LF353 dual low-noise J-FET input op amps and some TL074 quad low-noise J-FET input op amps. though. Are these interchangeable?

Thanks!

Denny Payton, N9JXY
Auburn, IN

Date: Sun, 03 Jun 2001 23:53:49 -0400
From: adamvaz@palm.net (Adam Vazquez)
To: qrp-1@Lehigh.EDU
Subject: [99338] SGC SG-2020 ADSP Retrofit
Message-ID: <GEE05P00.UE0@mo110usjc.palm.net>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello from Adam KB2JPD

Just received my radio back from SGC. Arrived in a new fancy shipping carton. I put in on a mobile mag mount and played with it, unfortunately on a dead band.

Will post a review after putting it thru the paces on a more cooperative band.

73 de Kb2Jpd

Date: Sun, 03 Jun 2001 21:05:41 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Cc: eleccraft@qth.net
Subject: [99339] PW-1, actual results on 40m
Message-ID: <F124pkpLkTgbLYluLCT0000e727@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

For those interested in the W6MMA PW-1 loaded whip antenna, here is the actual log of my 40m portable operation over the weekend. QTH: Seaside Oregon, Comfort Inn, third floor up with an eastern view. Antenna was mounted on a camera tripod, with the PW-1 whip 'leaning upward and outward' at about 45 degs. 3 radials, 16.5 feet long strung anywhichway possible to stretch them out and back into the hotel room. None hung over the balcony. Rig: K2 at 5w out/internal battery. Antenna tuned with MFJ Analyzer. Local downtown city street QRN was S5 to 6 - ouch! All qso's cw, on 40m near 7.040MHz...

Day	UTC	Call	S/R	QTH/Op	Notes on other station's shack
6/1	0248Z	K6III	579/569	CA/Jerry	Probably on his Elecraft K2...
	0436	K7QD	579/579	ID/Lee	K1
	0446	K7PVT	559/549	WA/Bob	250 milliwatts, SMK-1
	0506	KB6FPW	559/559	CA/Mitch	2.5w
	0514	NK6A	559/539	CA/Don	
	0531	KY7F	569/449	WY/Doug	817, 2.5w, and Outbacker/Tripod
	0546	W6ARK	559/449	CA/Al	
6/2	0335	VE7CCU	579/569	BC/Bill	QR0/Scout 50w
	0349	WA7SPY	589/579	CA/Glenn	K1
	0408	N6GA	559/559	CA/Cam	K1
	0431	N6XMW	599/579	CA/Bill	QR0
	0439	W5TZR	579/589	CA/Ralph	QR0 on mobile whip
	0450	KG6FXZ	589/579	CA/Ron	QR0/TS570 and dipole
	0508	WB9FEA	559/349	IL/Bob	QR0/FT101 and vertical
	0519	K6TLL	599/569	CA/Jim	QR0/TS850 and loop
	0526	K7HZ	579/579	OR/Jim	QR0/Paragon and Zepp
	0556	VE6GH	579/229	AB/Grant	
6/3	0619	N9AW	559/449	WI/Jerry	817 and delta loop
	0651	WD9FJL	559/569	NM/Steve	K2 and vertical

I tried to decipher my notes as best as possible, some details on some stations worked are lacking. These stations all ANSWERED my CQ's! So apparently I was making enough noise to attract someone's attention...hi!

This is not an endorsement of the PW-1 or K2 nor do I have any thing to do or gain with either outfit. Just posting it in the interest of qrp and what is possible with a very minimal setup.

The 3rd floor room wasn't the greatest; the antenna basically amounted to 'hanging it out the window' and seeing what happened! With the QRN level, I can tell you I was MIGHTY excited to work anyone and ECSTATIC when I heard WY, IL, and WI come back to me...

73 John K7FD

PS. While at SeaPac in Seaside, I caught a glimpse of an email detailing what a top contester did with his '817 and a PW-1...and it weren't too shabby!

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 03 Jun 2001 23:17:03 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [99340] I1YRL on 14.005 @ 0417Z
Message-ID: <5.1.0.14.0.20010603231300.02071170@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I1YRL on 14.005 @ 0417Z

Worked on 500mW with Argosy II and SLX Vertical.

Very solid into Midwest. Got a 579. Italo-American relations? <g>

Luc still working DX , calling CQ on 14.005 @ 0419Z.

Good luck,

de Dave, NF0R nf0r@slacc.com

Date: Mon, 04 Jun 2001 04:21:15 +0100
From: "Chuck Adams, K7Q0" <k7qo@earthlink.net>
To: aartec@dwx.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99341] Re: MH101 New site with MH101 pictures
Message-ID: <5.0.2.1.0.20010604042001.009f7370@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 11:06 AM 6/3/01 -0500, Aartec wrote:

>I have added a MH101 section to my web site <http://www.qsl.net/w0pwe/> where
>I put some pictures and comments related to the project. The oscillator is
>built and running at this point.

>

>72

>Jerry

>W0PWE

If you have not gone to this site and looked at his pics, then I highly recommend you do so immediately.

Very very nice work. Not sure if this is Jerry's first time to do this but his work is second to none in my opinion. Very good job Jerry.

I'm busy working on the material for the next installment. Stay tuned.

dit dit

Chuck Adams, K7Q0 CP-60
Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo>

TMPS-2001 Jan 12th -> April 15th, 2001 States = 49 DXCC = 15

States Needed AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6 EA8 EA7
PJ ZL2

Moving to Arizona? --- Bring your own water.

Date: Sun, 3 Jun 2001 21:52:47 -0600 (MDT)
From: mugglesto@ecentral.com
To: qrp-l <qrp-l@lehigh.edu>
Subject: [99342] RF-1 & Coils

Message-ID: <Pine.LNX.4.10.10106032149010.14246-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I got to go to a swap fest on Saturday - it's been over a year sense my last one and I enjoyed myself. Picked up a great box of junk, spent the day going through it.

My question - I have an RF-1 and want to measure some coils that were in the junk. I get a different reading for each frequency.... so what should I do? Do I pick the frequency that I plan on using the coil for and if that's the case what frequency do coil manufactures use to label their coils for sale?

Thanks

de
Brad Mugleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

Date: Sun, 3 Jun 2001 21:59:55 -0600 (MDT)
From: muglesto@ecentral.com
To: Linux Hams <linux-hams@vger.kernel.org>, qrp-l <qrp-l@lehigh.edu>
Subject: [99343] PSK for Linux
Message-ID: <Pine.LNX.4.10.10106032153110.14246-1000000@mugleston.mugs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have TWPSK for Linux loaded and running but it will not trigger my com port (ttyS1 or Com2) when I try to send. I did a standard install and everything else works FB.

Anyone else have this problem?

Brad Mugleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

Date: Mon, 04 Jun 2001 00:00:01 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-1@lehigh.edu
Subject: [99344] HA2SZ on 14.006 @ 0454Z
Message-ID: <5.1.0.14.0.20010603235242.0207ebb0@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

HA2SX on 14.006 @ 0454Z

Worked on 500mW with Argosy II and SLX Vertical.

OM Peter did all the work with 200W and 4-elements, probably way up there.

DX went QRT at 0457Z but he picked my /QRP out of a small pile-up on the second call. Sometimes such truly pathetic pleadings help! <g>

GN/GM

de Dave, NF0R nf0r@slacc.com

Date: Sun, 3 Jun 2001 22:23:37 -0700
From: "blinn" <blinn@smgazette.com>
To: <k7qo@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99345] Re: MH101 New site with MH101 pictures
Message-ID: <005b01c0ecb6\$841efc00\$b1b8e5d8@blinn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Chuck Adams, K7Q0 <k7qo@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Sunday, June 03, 2001 9:22 PM
Subject: Re: MH101 New site with MH101 pictures

Yes, I second that! Good work, on the project and site. From the looks of your other projects, I'd say you require only first class work from yourself!

Also, congratulations on being able to keep that special callsign in the

family.

Regards, Bill - WA7TQK

>If you have not gone to this site and looked at his pics, then I highly
>recommend you do so immediately.
>
>Very very nice work. Not sure if this is Jerry's first time to do this but
his work is
>second to none in my opinion. Very good job Jerry.
>
>I'm busy working on the material for the next installment. Stay tuned.
>
>dit dit
>
>
>Chuck Adams, K7QO CP-60
>Prescott, AZ k7qo@earthlink.net <http://www.qsl.net/k7qo>
>
>TMPS-2001 Jan 12th -> April 15th, 2001 States = 49 DXCC = 15
>
>States Needed AK DXCC --- K XE VE KH6 V73 HI3 FM5 OH3 C6 ZL1 C08 ZS6
EA8 EA7 PJ ZL2
>
>Moving to Arizona? --- Bring your own water.
>
>

--

Date: Mon, 4 Jun 2001 06:56:33 +0100
From: "Paul Warman" <pswarman@pswarman.screaming.net>
To: <qrp-1@lehigh.edu>
Subject: [99346] QRP Classics
Message-ID: <MABBKIIDPNDFPNFIOFJLKEPJCDAA.pswarman@pswarman.screaming.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fellas, I just can't get hold of a copy of QRP Classics (ARRL) over here.
Has anyone outgrown their copy and is willing to sell it? Please let me know

your price and we'll make a deal.

Many thanks

Paul

G00DP

Date: Sun, 3 Jun 2001 23:23:48 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99347] Manhattan Style - Super Glue Performance With Age?
Message-ID: <002701c0ecbe\$ec5af820\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Anyone know how well cyanoacrylate glues hold up with time/temperature cycling? A few things that I have stuck in the past with this stuff have broken apart again after a couple of years. The glue seems to get brittle with age. Does everyone use this glue for their Manhattan style projects or are there some alternatives out there?

Thanks es 72,
Dave Fifield, AD6A

Date: Sun, 3 Jun 2001 23:30:57 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: <dpayton@fwi.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99348] Re: Op Amps. Interchangable?
Message-ID: <002d01c0ecbf\$eb8451c0\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not really Denny. The 5532 and 5514 op amps are much lower noise parts than the LF353/TL074 breed. There are some other low

noise cmos op-amps on the market that would do a better job nowadays - I don't have the part numbers to hand right now, but will look them out and post later. Dan Tayloe is the man for this info...he's been looking into that very subject lately....Dan?

That being said, the LF353/TL074 parts would actually work in those circuits, but they wouldn't get you the best performance. Check the pinouts too, I'm not sure that they are the same as the 5532/5514 parts.

There were several mods to this design - one was mine, to add some diodes to kill the keying thump - let me know if you don't have them and I'll dig these out too.

Cheers,
Dave Fifield, AD6A

----- Original Message -----
From: "Dennis Payton" <dpayton@fwi.com>
Sent: Sunday, June 03, 2001 8:25 PM
Subject: Op Amps. Interchangable?
(snip)

Date: Mon, 4 Jun 2001 01:34:14 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: <ad6a@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99349] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <001b01c0ecb7\$fe46d880\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This glue is used allot in building RC aircraft. It holds very well considering the stresses put on them in flight. I suppose it all depends on what your using it for.

Cheers,
Robert
VE3RPF

----- Original Message -----
From: "Dave Fifield" <ad6a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, June 04, 2001 2:23 AM
Subject: Manhattan Style - Super Glue Performance With Age?

> Anyone know how well cyanoacrylate glues hold
> up with time/temperature cycling? A few things that
> I have stuck in the past with this stuff have broken
> apart again after a couple of years. The glue seems
> to get brittle with age. Does everyone use this glue
> for their Manhattan style projects or are there some
> alternatives out there?
>
> Thanks es 72,
> Dave Fifield, AD6A
>
>

Date: Mon, 4 Jun 2001 08:57:26 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99350] QRP Classics
Message-ID: <00ba01c0ecc3\$9ff9cce0\$049101d9@ingo>

Hello Paul,

> Fellas, I just can't get hold of a copy of QRP Classics (ARRL) over
> here. Has anyone outgrown their copy and is willing to sell it? Please
> let me know your price and we'll make a deal.

You can buy this book (now named "QRP Power") i.e. by the German
Magazine Funkamateuer for 24 DEM + shipping (15 DEM inside europe).
Shipping is the same for 1 or for more books, xtals...

<http://www.funkamateuer.de/cgi-bin/fashop/lite25?UCFHDP6e;;37>

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Mon, 04 Jun 2001 03:25:09 -0400
From: Bruce Muscolino <w6toy@erols.com>

To: kandrparker@sympatico.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [99351] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <3B1B37D5.ACB3510A@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

While it is true that superglue is used for RC aircraft, and there is a lot of stress put-on glue joints, seldom is the joint between two relatively non porous metal surfaces. In other words, gluing two pieces of balsa together is different from gluing two pieces of phenolic or copper clad together. Heat applied in the soldering process will deteriorate the joint until you have pads floating around!

73

Date: Mon, 04 Jun 2001 08:02:54 -0400
From: Bill Meara <n2cqr@clix.pt>
To: qrp-1@Lehigh.EDU
Cc: homebrew@qth.net
Subject: [99352] 17meter DSB: More DX!
Message-ID: <3.0.6.16.20010604080254.2f9f5af4@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In my last update I said that Lisbon was 900 miles west of me. I suppose that would put the Azores in the Med! I attribute the error to the early hour, solder fumes and the excitement of getting the DSB rig on the air.

The transmitter continues to yield great contacts. Yesterday afternoon I called CQ on 17 and got a response from Jorge, EA5GQI/M, on the road in Alicante, Spain. Jorge was appropriately surprised when I told him I was running 1 watt from an HB transmitter. He pulled to the roadside, recorded my transmission and -- from his car -- sent my signal back to me. So I got to hear my own audio. Very cool!

Last night I again dared to call CQ and got a response from OZ4B in Copenhagen. Bo gave me a 55 and said the audio sounded good. Not bad for an audio section that consists of a 741 op amp! Bo also suggested that I put the rig on 12 meters. Hmmm...

These contacts were great fun, but the big DX thrill came this morning. U.S. stations were coming in and I was hoping to work the homeland. No luck. But just as I was about to give up, I heard Gerry, VK7GK, on Tasmania

say that's he'd listen for one more. I gave him a shout. The DSB rig was 44 down-under down-under. We had a nice QSO.

When I was a teenage ham, the first time I'd worked a station in that part of the world, I woke up my parents to tell them of my feat! Good thing my wife was already awake, because I once again went bounding up the stairs with the big news. I'd been hoping to cross one ocean, and ended up crossing two.

On the tech side, I'm thinking that my decision to recycle the broadband RF amps from the 30 meter rig will yield a big, unexpected benefit: It will now be very easy to put this rig on other bands. All I'll have to do is get the appropriate crystal for the VXO and build a group of band-specific output filters for the final amp.

You guys have got to build some more phone rigs! This is really fun. You can hear the surprise in the voice of the guy at the other end when you tell them about the power level and the brand name (HB) of the rig. Phone QRP is a LOT easier than I expected, and I'm 10 db below the upper limit on output power for QRP status. People are answering my CQs!

When the dust settles, I'll draw up the schematic and post it (with pictures) on my web site.

73 de CU2JL (aka N2CQR)
Bill Meara
Sao Miguel Island,
The Azores, Portugal
<http://planeta.clix.pt/n2cqr>

Date: Mon, 4 Jun 2001 01:13:42 -0700
From: "Dave Fifield" <ad6a@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99353] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <00b301c0ecce\$44ffb240\$0600a8c0@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Right. That's what has me worried Bruce. Cyanoacrylate glue is hydroscopic. With two pieces of copper clad PCB, there's no hydro for it to scop and no pores for it to work into, so I

can't see it holding up well in the long run.

72, Dave, AD6A

----- Original Message -----

From: "Bruce Muscolino" <w6toy@erols.com>

Subject: Re: Manhattan Style - Super Glue Performance With Age?

While it is true that superglue is used for RC aircraft, and there is a lot of stress put-on glue joints, seldom is the joint between two relatively non porous metal surfaces. In other words, gluing two pieces of balsa together is different from gluing two pieces of phenolic or copper clad together. Heat applied in the soldering process will deteriorate the joint until you have pads floating around!

73

Date: Mon, 4 Jun 2001 05:03:05 -0400

From: William K Penhallegon <w4stx@juno.com>

To: qrp-1@Lehigh.EDU

Subject: [99354] QRP Power

Message-ID: <20010604.050314.-738181.0.w4stx@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Will the person looking for a copy please email me direct?

73,

Bill W4STX

Date: Mon, 4 Jun 2001 07:09:29 -0400

From: "John J. McDonough" <wb8rcr@arrl.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [99355] Re: Manhattan Style - Super Glue Performance With Age?

Message-ID: <008c01c0ece6\$d5eebcc0\$010044c0@baycty1.mi.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

My own experience is limited to about 3-4 years, so I don't know how it will

turn out, "long term". But over that time, I've made a couple of observations...

- some joints do let go
- other joints hold up remarkably well
- It seems like single sided pads work better
i.e. G-10 to copper rather than copper to copper
- Joints that suffer a lot of physical abuse
seem to do better than those that don't
- A joint that was overheated during soldering
seems to let go sooner than those that weren't
- Joints that got a lot of glue seem to do
more poorly
- Joints that were clean seem to do better

Note that these are purely empirical observations, I have no theoretical basis for any of this.

72/73 de WB8RCR <http://members.home.com/wb8rcr/index.htm>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Mon, 4 Jun 2001 07:16:49 -0400
From: "Paul Christensen" <paulc@mediaone.net>
To: <dpayton@fwi.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99356] Re: Op Amps. Interchangeable?
Message-ID: <031301c0ece7\$dcc9ff40\$6401a8c0@paulch>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I'm building Rick Campbell's 'Small High Performance CW Transceiver' from
> Nov. '95 QST. It uses the mini-R2 board which calls for (2) NE5532 dual
> low-noise op amps. and (2) NE5514 quad low-noise op amps. I can't find
> NE5514's anywhere and don't have NE5532's on hand. I do have a bunch of
> LF353 dual low-noise J-FET input op amps and some TL074 quad low-noise
J-FET
> input op amps. though. Are these interchangeable?

For your purposes, yes. Although the noise figure of the Signetics NE55XX op-amps is lower than that of the LF353 and TL074, the only difference you may see is on measured noise tests, not in practical application. However, your Bi-FET op amps should not be used to drive impedances lower than approximately 2K-ohm. The NE55XX op-amps will comfortably drive 600-ohms,

and oftentimes lower. These are commonly found in broadcast/Pro-audio applications as 600-ohm balanced line drivers.

-Paul, W9AC

Date: Mon, 4 Jun 2001 13:43:06 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99357] Re: QRP Classics (revision)
Message-ID: <013a01c0eceb\$a0f5b1e0\$049101d9@ingo>

Hello Paul and all others,

Dave, NN1G, wrote me the following:

> It's not the same book. 'QRP Power' is now offered by the ARRL and is
> widely available. 'QRP Classics' is not- it is probably out of print.

I had here an information, that it is the same book. But I think, that Dave have the better source, so I am sorry for the wrong information.

72 de Ingo, DK3RED

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Mon, 04 Jun 2001 08:34:28 EDT
From: Shepherd@aol.com
To: <qrp-l@lehigh.edu>
Subject: [99358] Re: HA2SZ on 14.006 @ 0454Z
Message-ID: <12.da6dd65.284cda55@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

WTG Dave, I got him also.

Did you by chance copy his QSL info? Seemed each time he sent it, someone had to tune up. :-)

72, oo
Dan, N8IE

In a message dated Mon, 4 Jun 2001 1:04:38 AM Eastern Daylight Time, David Gauding <david.gauding@bbs.galilei.com> writes:

<< HA2SX on 14.006 @ 0454Z

Worked on 500mW with Argosy II and SLX Vertical.

OM Peter did all the work with 200W and 4-elements, probably way up there.

DX went QRT at 0457Z but he picked my /QRP out of a small pile-up on the second call. Sometimes such truly pathetic pleadings help! <g>

GN/GM

de Dave, NF0R nf0r@slacc.com

>>

Date: Mon, 04 Jun 2001 08:43:54 -0400
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: ad6a@earthlink.net
Cc: qrp-1@lehigh.edu
Subject: [99359] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <5.0.2.1.1.20010604083839.0201de40@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:13 AM 6/4/01 -0700, you wrote:

>Right. That's what has me worried Bruce. Cyanoacrylate glue
>is hydroscopic. With two pieces of copper clad PCB, there's
>no hydro for it to scop and no pores for it to work into, so I
>can't see it holding up well in the long run.

>

>72, Dave, AD6A

Dave and other interested parties,

Your points are probably quite valid, I certainly don't know,
But, I only use single sided PC board material for my pads,

AND, sand the bottom of each pad with 220 grit wet and dry sandpaper before glueing each pad down. I don't know how long they stay glued to the substrate, but the original 2N2/40 is over 3 year old, and the pads are still tightly adhered. They may fall off someday, however.

72 and keep building.....

Jim, K8IQY

Date: 4 Jun 2001 06:05:07 -0700
From: John DiLorenzo <jdilorenzo3301@altavista.com>
To: qrp-1@Lehigh.EDU
Subject: [99360] Poor Dipole SWR
Message-ID: <20010604130507.9240.cpmata@c012.sfo.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

I have a 20M dipole that includes a balun installed in my attic. I measure an SWR of over 4:1 to this antenna. Each leg is 16'8" in length. My question is, is this poor match due to it being in my attic, or should I suspect that the balun may be bad or incorrect? (it's labeled 1:1, but maybe in reality, it is a 4:1 balun). I don't have much test equip other than a SWR/PWR meter, and my rig, an RH-20.

Thanks in advance
John DiLorenzo
KC8PXF/AG

Find the best deals on the web at AltaVista Shopping!
<http://www.shopping.altavista.com>

Date: Mon, 4 Jun 2001 08:09:00 -0500
From: "Faith III, Don C" <FaithD@mail01.dnr.state.wi.us>
To: "'kb3eof@usa.net'" <kb3eof@usa.net>
Cc: "'qrp-1@lehigh.edu'" <qrp-1@lehigh.edu>
Subject: [99361] RE: Source for 250pF polyvaricon caps?
Message-ID: <E90EEF51A894D411963F0006298F2BF701D2791B@PRODMLIN04>
MIME-Version: 1.0
Content-Type: text/plain

Mouser discontinued the dual 266pf poly variable caps a number of years ago. Mouser indicated that it would be necessary to order 50K or so for more to be made available. I observed that a different dual poly cap (different from that supplied by Roy Gregson (SK) from Mouser) was available in a kit from Transtronics (.com) and communciated this to Roy. Roy was able to obtain the name of the alternative vendor for the dual 266 caps (from Transtronics) and arrange a small manufacturing run order for the caps so that we could continue to have the very capable Emtech ZM-1 / ZM-2 tuner available to the ham community.

Though there are some lower capacitance dual poly variable caps out there (e.g. 90 pf + 140 pf), the ones available through Emtech are the only ones that I'm aware of that are dual 266 pf. (Transtronics does not sell the caps separately). If you're interested in the lower capacitance versions, I think I can find some links.

The Norcal BLT tuner is still listed as available from Norcal (\$25 + \$4 S/H) but I'm not sure what type of capacitor it uses (it may use the lower capacitance dual poly caps).

<http://www.fix.net/~jparker/norcal/blt/blt.htm>

If you want a good broad bandwidth Z-match tuner, go with Scott G.'s (Emtech's) ZM-2.

<http://emtech.steadynet.com/>

73 de N9WR, Don C. Faith III; Madison, WI

Date: Mon, 4 Jun 2001 15:40:55 +0200
From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [99362] Re: Poor Dipole SWR

Message-ID: <017501c0ecfc\$215b01e0\$049101d9@ingo>

Hello John,

> ... I don't have much test equip other than a SWR/PWR meter, and my rig, an RH-20.

Have you a dummy load in your shack? Disconnect the dipole and connect the dummy on this side. If you have an 1:1 balun so the SWR will now stay by 1:1. Is it not, so is the wrong label on the balun (or an other reason). If you don't have a dummy, so use a simple 50 ohm resistor (or two 100 ohm parallel) and reduce the output of your rig. It is not stylish but is better than nothing.

72 de Ingo, DK3RED

P.S. I use my dipoles without a balun. They will about squint but it work.

E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

Date: Mon, 04 Jun 2001 06:47:14 -0700
From: Louis Hlousek <lhhousek@nvgbell.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99363] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <01e301c0ecfc\$dcfa9fa0\$650dfea9@0016297931>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Ordinary CA is brittle. There is a flexible CA available from hobby shops and Loctite that will hold up much better when gluing together non-porous surfaces and/or hard materials.

Lou W7DZN

Date: Mon, 4 Jun 2001 09:54:41 -0400
From: "AI2Q Alex" <ai2q@adelphia.net>
To: <n2cqr@clix.pt>, "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [99364] RE: 17meter DSB: More DX!
Message-ID: <000301c0ecfd\$e7f5caa0\$df0cf618@alex>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You hit the nail on the head Bill! My homebrew 1.5-watt 20-M USB xcvr has netted me 78 DXCC countries--and amazing ragchews to boot. The antenna is a doublet at a height of 65 feet. It's fed with open wire line via a balanced ATU and is about 150-ft. long. Great fun! Always amazing.

My rig uses a 9 MHz Ten-Tec IF filter and 1496 doubly-balanced mixer chips in the modulator and also for receiver mixers and product detector. It is almost all bipolar transistor-based but has a FET final.

Vy 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687 .-.-.

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Bill Meara
Sent: Monday, June 04, 2001 8:03 AM
To: Low Power Amateur Radio Discussion
Subject: 17meter DSB: More DX!

In my last update I said that Lisbon was 900 miles west of me. I suppose that would put the Azores in the Med! I attribute the error to the early hour, solder fumes and the excitement of getting the DSB rig on the air.

The transmitter continues to yield great contacts. Yesterday afternoon I called CQ on 17 and got a response from Jorge, EA5GQI/M, on the road in Alicante, Spain. Jorge was appropriately surprised when I told him I was running 1 watt from an HB transmitter. He pulled to the roadside, recorded my transmission and -- from his car -- sent my signal back to me. So I got to hear my own audio. Very cool!

Last night I again dared to call CQ and got a response from OZ4B in Copenhagen. Bo gave me a 55 and said the audio sounded good. Not bad for an audio section that consists of a 741 op amp! Bo also suggested that I put the rig on 12 meters. Hmmm...

These contacts were great fun, but the big DX thrill came this morning. U.S. stations were coming in and I was hoping to work the homeland. No luck. But just as I was about to give up, I heard Gerry, VK7GK, on Tasmania say that's he'd listen for one more. I gave him a shout. The DSB rig was

44 down-under down-under. We had a nice QSO.

When I was a teenage ham, the first time I'd worked a station in that part of the world, I woke up my parents to tell them of my feat! Good thing my wife was already awake, because I once again went bounding up the stairs with the big news. I'd been hoping to cross one ocean, and ended up crossing two.

On the tech side, I'm thinking that my decision to recycle the broadband RF amps from the 30 meter rig will yield a big, unexpected benefit: It will now be very easy to put this rig on other bands. All I'll have to do is get the appropriate crystal for the VXO and build a group of band-specific output filters for the final amp.

You guys have got to build some more phone rigs! This is really fun. You can hear the surprise in the voice of the guy at the other end when you tell them about the power level and the brand name (HB) of the rig. Phone QRP is a LOT easier than I expected, and I'm 10 db below the upper limit on output power for QRP status. People are answering my CQs!

When the dust settles, I'll draw up the schematic and post it (with pictures) on my web site.

73 de CU2JL (aka N2CQR)
Bill Meara
Sao Miguel Island,
The Azores, Portugal
<http://planeta.clix.pt/n2cqqr>

Date: Mon, 4 Jun 2001 10:28:18 -0400
From: "Lau, Zack, W1VT" <zlau@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [99365] Re: HF and the elevation advantage
Message-ID: <125490A005E3D3118C9C00805FC743CC016B9EA7@KAHLESS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

I'm sure that a bunch of CT hams have thought about stringing a 40M dipole at Mount Higby to get an effective height above ground of several hundred feet--it should be a superb low angle radiator. But, getting a station operating at a hiking spot during optimum 40M propagation times

isn't easy.

But, such an antenna may not be a good QRPTTF antenna, as the contest activity may not coincide with the times of best low angle propagation. More importantly, much of the 40M QRP activity during the day is high angle, so the antenna is a poor match for daytime field contesting. I've never been into night hiking....

What is more useful is steeply sloping terrain for a distance of many wavelengths--this can tilt the pattern of a low dipole so that it has a broad vertical radiation angle--with few nulls in the pattern. This improves your

chances of working those special stations that only manage to get on for short periods of time. This is actually much better than a high antenna, assuming you are running 5 watts. If you are running 5 mW, the high antenna might be better, as the sharper pattern would result in stronger signal peaks. 5 watts is typically enough power that you can trade off a few dB of signal strength and still make contacts. 5 mW and a simple antenna is pushing the receiving ability of many stations.

A single band dipole over sloping ground is very easy to install and remarkably effective.

73--Zack W1VT

Date: Mon, 4 Jun 2001 08:37:42 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: Dave Fifield <ad6a@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99366] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <Pine.SUN.4.10.10106040830130.17073-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 4 Jun 2001, Dave Fifield wrote:

> Right. That's what has me worried Bruce. Cyanoacrylate glue
> is hydroscopic. With two pieces of copper clad PCB, there's
> no hydro for it to scop and no pores for it to work into, so I
> can't see it holding up well in the long run.

I make my Manhattan pads out of single sided copper clad. I find it sticks better, due to the slight porous advantage of the fiberglass material over the copper side. When done building something, I put a drop of super glue on select pads, that forms a bead from the copper clad on the main board to the SIDES of the pad, which tends to be kinda rough and sticks well. I have had little problem with pads coming loose since using single sided copper clad for the pads. I make my pads with a standard nibbling tool.

72, Paul NA5N

Date: Mon, 4 Jun 2001 07:44:49 -0700 (PDT)
From: Stan Yarema <bg783@scn.org>
To: Dennis Payton <dpayton@fwi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99367] Re: Op Amps. Interchangable?
Message-ID: <Pine.SUN.3.96.1010604073945.19774A-100000@scn>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rick Campbell suggested using the TL074 as a replacement for the NE5514s in a Tech. Correspondence note in QST, Feb. '96. He said it had lower noise but not much drive capability, though. There may be better choices. (LM837 ??)
Jameco has the NE5532s.

72 Stan, K7SY

Date: Mon, 4 Jun 2001 08:45:22 -0600 (MDT)
From: "Paul Harden, NA5N" <na5n@rt66.com>
To: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [99368] Re: Manhattan Style - Super Glue Performance With Age?

Message-ID: <Pine.SUN.4.10.10106040838520.17073-100000@shell.rt66.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 4 Jun 2001, Jim Kortge, K8IQY wrote:

> But, I only use single sided PC board material for my pads,

> I don't know
> how long they stay glued to the substrate, but the original
> 2N2/40 is over 3 year old, and the pads are still tightly
> adhered. They may fall off someday, however.

And I venture to say Jim's original 2N2/40 is probably the most man-handled Manhattan project of all time. That piece of work has been handled by hundreds at scores of hamfests, and I know shipped to New Mexico and back at least once. If it can survive hamfests, UPS and *me*, the technique is hearty.

It will be interesting to see how these things hold up in the long haul. Perhaps after 5 years, the glue may break down. However, with good sound construction practices, and connections to ground equally spaced, it should hold itself together well inspite of some of the pads perhaps coming loose.

72, Paul NA5N

Date: Mon, 04 Jun 2001 09:49:03 -0500
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [99369] Re: HA2SZ on 14.006 @ 0454Z
Message-ID: <5.1.0.14.0.20010604085604.02080a30@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

GM Dan,

At 08:34 AM 6/4/01 -0400, you wrote:

>WTG Dave, I got him also.
>Did you by chance copy his QSL info? Seemed each time he sent it, someone
>had to tune up. :-)

Great work Dan but I didn't get around to his address info.

Truthfully, I was too busy congratulating myself and failed to write the call down correctly at first. It's HA2SX not SZ. Should get to bed earlier. A pleasant hazard of a home office and no commute.

Being a one watt fan of sorts, I had never chased DX seriously with milliwatts until a few weeks ago. Doesn't seem too hard on 20CW using a ground mounted portable vertical and 500mW. Time will tell.

BTW, your package departed St. Louis on Saturday with USPS.

TTUL

de Dave, NF0R nf0r@slacc.com

>In a message dated Mon, 4 Jun 2001 1:04:38 AM Eastern Daylight Time,
>David Gauding <david.gauding@bbs.galilei.com> writes:
>
><< HA2SX on 14.006 @ 0454Z
>
>Worked on 500mW with Argosy II and SLX Vertical.
>
>OM Peter did all the work with 200W and 4-elements, probably way up there.
>
>DX went QRT at 0457Z but he picked my /QRP out of a small pile-up on the
>second call. Sometimes such truly pathetic pleadings help! <g>

Date: Mon, 4 Jun 2001 10:57:31 -0400 (EDT)
From: David Ek <ekdave@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [99370] SST-20 & Palm logging coming-out party tonite in Spartan Sprint
Message-ID: <382130333.991666651960.JavaMail.root@web538-wrb>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Listen for my recently-completed SST-20 tonite during the Spartan Sprint. Whoever works me first will have had the honor of participating in its first QSO! I'll also be trying out my new Palm computer-based CW sending and logging for the second time. I've built a circuit which allows the Palm to key my rig, and written

software for the Palm to handle contest logging and keying in hopes of using it on Field Day this year. I tried it out during QRPTTF this year, but a combination of lousy bands and a digital noise problem from my circuit rendered that test a miserable failure. Hopefully tonite the bands will be better and I will find that I have fixed the digital noise problem. (For those interested, there's a forthcoming article on the whole setup in one of our QRP journals.) My entire station, including SST, paddle, NiCd battery pack, ZM-2, Palm computer, interface circuit, and all cables weighs in at just under 3 lbs. The computer logging is 1 lb of that total.

So, hop on over to 20m tonite and give a listen for me. I'll be there for the duration. If I'm sending gibberish, it's either because my computer logger has gone haywire or because Nils has seized control of my station. ;-) Of course, if tonight's hockey game gets too exciting I may drop off the air from time to time, or the exchange may become "he scores!!!"... Go Avs!

73 de Dave AB0GO

Date: Mon, 4 Jun 2001 08:13:21 -0700 (PDT)
From: Stan Yarema <bg783@scn.org>
To: qrp-l@lehigh.edu
Subject: [99371] Source of 12 meter Xtals
Message-ID: <Pine.SUN.3.96.1010604080601.28650A-100000@scn>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Some time back I found some xtals at the local surplus outlet for 24.915 and 24.9225, the CW part of the 12 meter band. I think they were intended to double to 49 MHz for use in cordless phones, intercoms or ?? Since many of these items are now found at garage sales, you might get them pretty cheap. BTW - the brand was BOMAR

72 Stan, K7SY

Date: Mon, 04 Jun 2001 10:24:15 -0500
From: Michael Melland <w9wis@charter.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [99372] FT-817 CAT Software Link
Message-ID: <NEBBLKAGEKBNGELOFFCAKEJHCIAA.w9wis@charter.net>

MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

When I posted the info on this \$15 software for some reason the link to it didn't appear (maybe the web master has banned html to cut down on spam) and It's been requested I try to post it agn.... so here it is. Also check out the antenna software PolarPlot also from same site...

<http://dSPACE.dial.pipex.com/town/avenue/aci07/polarplot/ftbasic.shtml>

73 de Mike

--

Michael Melland, W9WIS
QRP-L #1656 QRPARCI #9875
SOC #142 FPQRP #244 IPARC #252
EN54pc Winnebago Cty, Wisc.

Date: Mon, 4 Jun 2001 11:28:16 -0400
From: "ZOOM" <kandrparker@sympatico.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [99373] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <000901c0ed0a\$fc171180\$3294fea9@robertpa>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I remember Loctite had a product for board repair. In the late 80's I used it allot for many boards with damaged traces and runs. It worked very well and stood up to the rigors of soldering and mechanical stress. Perhaps check their site and see what may work.

Cheers,
Robert
VE3RPF

----- Original Message -----
From: "Bruce Muscolino" <w6toy@erols.com>
To: <kandrparker@sympatico.ca>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, June 04, 2001 3:25 AM
Subject: Re: Manhattan Style - Super Glue Performance With Age?

> While it is true that superglue is used for RC aircraft, and there is a
lot of
> stress put-on glue joints, seldom is the joint between two relatively non
porous
> metal surfaces. In other words, gluing two pieces of balsa together is
> different from gluing two pieces of phenolic or copper clad together.
Heat
> applied in the soldering process will deteriorate the joint until you have
pads
> floating around!
>
> 73
>
>

Date: Mon, 4 Jun 2001 11:29:48 EDT
From: PDouglas12@aol.com
To: jokortge@prodigy.net, qrp-1@lehigh.edu
Subject: [99374] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <cf.7606c8f.284d036c@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Jim and Gang,
Since I gave up practicing the guitar, I don't have Jim's calloused
fingertips, so sanding little tiny pads is painful.
:-)

I use my dental scaler (the radio flea markets always have these used tools
for next to nothing--before first use, I heat the business end in a flame,
just in case I stab myself later. It softens the metal, but what the heck,
they're expendable.) I make a rough circular area on the back of the pad (I
use two sided, 'cause that's what I have.) I make a similar roughed circular
area on the substrate where the pad is going to be placed.

No radio in my shack is as quiet as my 2N2/40, except perhaps one of my
direct conversion receivers, and the pads do stick very well. They can be
removed with the twist of a long nose, if necessary, but they don't come off
by themselves. Oh, and the 2N2/40 always works when I turn it on.

72,

Preston WJ2V

Date: Mon, 4 Jun 2001 11:34:19 -0400
From: w2qu@juno.com
To: ekdave@earthlink.net
Cc: qrp-1@Lehigh.EDU
Subject: [99375] Re: SST-20 & Palm logging coming-out party tonite in Spartan Sprint
Message-ID: <20010604.113420.-628989.0.w2qu@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

FB on your SST-20. I'll look for you tonite but agree that the hockey game may interfere with a serious effort. As I write this e-mail from my office, I can see the Continental Arena out my window. So naturally.....go Devils!

73 es 72,

Dave

W2QU

On Mon, 4 Jun 2001 10:57:31 -0400 (EDT) David Ek <ekdave@earthlink.net> writes:

> Gang,

>

> Listen for my recently-completed SST-20 tonite during the Spartan
> Sprint. Whoever works me first will have had the honor of
> participating in its first QSO! I'll also be trying out my new Palm
> computer-based CW sending and logging for the second time. I've
> built a circuit which allows the Palm to key my rig, and written
> software for the Palm to handle contest logging and keying in hopes
> of using it on Field Day this year. I tried it out during QRPTTF
> this year, but a combination of lousy bands and a digital noise
> problem from my circuit rendered that test a miserable failure.
> Hopefully tonite the bands will be better and I will find that I
> have fixed the digital noise problem. (For those interested, there's
> a forthcoming article on the whole setup in one of our QRP
> journals.) My entire station, including SST, paddle, NiCd battery
> pack, ZM-2, Palm computer, interface circuit, and all cables weighs
> in at just under 3 lbs. The computer logging is 1 lb of that total.
>

> So, hop on over to 20m tonite and give a listen for me. I'll be
> there for the duration. If I'm sending gibberish, it's either
> because my computer logger has gone haywire or because Nils has

> seized control of my station. ;-) Of course, if tonight's hockey
> game gets too exciting I may drop off the air from time to time, or
> the exchange may become "he scores!!!"... Go Avs!
>
> 73 de Dave AB0GO
>
>
>
>

Date: Mon, 4 Jun 2001 08:38:10 -0700
From: "DTX" <dtx@wood.tzo.com>
To: <qrp-1@lehigh.edu>
Subject: [99376] Re: Poor Dipole SWR
Message-ID: <006701c0ed0c\$5c83b5e0\$0c00a8c0@home>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

And also, does it look better (SWR) at the bottom of the band than the top?
I don't know what the tuning range is on the RH-20. It may not be enough to
show a difference.

Your length looks about right for freespace
up-in-the-air-away-from-everything resonance. Years of imperical data
suggest antennas "always" detune down, not up ;-) You may want to try
taking each end and looping back a foot and shorting to the main wire. This
shortens each side 6" without cutting the wire off. If you find it gets
better, repeat step #1 until it stops getting better.

This assumes the balun checks ok as Ingo suggests. And without the balun,
the SWR should be much closer to 1:1. If it weren't for pattern distorion
and rf back down the outside into the shack and/or auto shutdown sensors in
the "new" rigs, we probably wouldn't even use baluns. If you do not have
shutdown or RFI problems, the attic has most likely modified the pattern
anyhow, Or short version: being in the attic probably gave away the top
10-13 db, don't worry about the db or 2 the balun might get you. You are
still 66db better than a 9" red clip lead. Maybe even 70db better ;-)
OMHO,

Gary

----- Original Message -----

From: "Ingo DK3RED" <dk3red@t-online.de>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, June 04, 2001 6:40 AM

Subject: Re: Poor Dipole SWR

> Hello John,
>
> > ... I don't have much test equip other than a SWR/PWR meter, and my
> rig, an RH-20.
>
> Have you a dummy load in your shack? Disconnect the dipole and connect
> the dummy on this side. If you have an 1:1 balun so the SWR will now
> stay by 1:1. Is it not, so is the wrong label on the balun (or an other
> reason). If you don't have a dummy, so use a simple 50 ohm resistor (or
> two 100 ohm parallel) and reduce the output of your rig. It is not
> stylish but is better than nothing.
>
> 72 de Ingo, DK3RED
>
> P.S. I use my dipoles without a balun. They will about squint but it
> work.
>
> E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red
>
>

Date: Mon, 4 Jun 2001 09:36:01 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "QRP-1 Forum (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [99377] Using Computer Power Supplies with Radios
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F04B770A2@hq-expo2.filenet.com>

Matthew, AD5AP, is having difficulty posting to QRP-1 and cannot get the
list server to respond. He asked me to post the following question -- a real
goodie -- on the list:

Gang,

I ran across a used PC power supply at a garage sale last weekend. The price
was too good, so it's now mine. Does anyone have any experience and/or advice
on using such a power supply for radios? Can I just plug and chug, or should
special precautions be taken in using it?

72's de Matthew, AD5AP

(It is not necessary to reply to me; please reply to the list or directly to
Matthew at mwc@okstate.edu.)

W. H. Phinizy, K6WHP
Principal Engineer
FileNET Corporation

Date: Mon, 4 Jun 2001 08:38:25 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Subject: [99378] 5 SMK-1 Kits left, 50 Toroid Kits left
Message-ID: <01c0ed0c\$65209b00\$330b0d0a@doug.dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys a heads up here, there are only 5 SMK-1 kits left. When those are gone, there will be no more. Also, 50 of the NorCal Toroid kits are left, and when those are gone, we will not do another run for quite some time. If you would like either kit, please send an email to me with the following subject lines and a statement in the message that you would like to buy the kit.

SMK-1 Kit

NorCal Toroid Kit

Each of the kits is \$30 + \$4 shipping and handling. Do not send a check until you get an email response from me verifying that we have the kits available. 72, Doug

Date: Mon, 04 Jun 2001 12:30:59 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: jdilorenzo3301@altavista.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [99379] Re: Poor Dipole SWR
Message-ID: <3B1BB7C3.4FFB62BF@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

Your high SWR may be caused by all of the above! What kind of feedline are you

using? If it is coax, why not try disconnecting the balun. They really don't do much good, contrary to popular opinion.

I presume, and that may be a bad idea, that you are using a regular dipole, two pieces of wire separated in the middle by an insulator, not a folded dipole. This antenna has a center point impedance of around 72 ohms. The best SWR you can expect, at or near the resonant frequency is about 1.44 to 1. 4:1 is not good!

Check the feedline first, it's the easiest. Next check the attic. Do you have insulation under the roof? Is it enclosed in metal covered paper? How close is your antenna mounted to the roof? Any large metal objects in the attic, like water heaters or furnaces? All of these affect the dipole's performance. They typically act to change the resonant frequency of the antenna.

Do you have, or can you borrow a Grid Dip Meter or Antenna Analyzer? If you measure the antenna's resonant frequency it may be instructive. You might just solve your problem by shortening (or lengthening) the ends.

In short, you have some experimenting ahead of you. Fortunately most indoor antennas don't require climbing trees! Take a wooden ladder up there with yourself and put the grid dipper or antenna analyzer on it. Back away when you make the resonance measurement. Adjust and back off, you will affect it!

73

Date: Mon, 4 Jun 2001 11:44:52 -0500 (EST)
From: <igeq100@iupui.edu>
To: "Phinizy, William" <wphinizy@filenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99380] Re: Using Computer Power Supplies with Radios
Message-ID: <Pine.GS0.3.96.1010604113959.17412A-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Matthew -

I can't answer the question completely, but I do know that the typical switching-type computer power supply needs a minimum fixed load to work properly, and that without such a load the output voltage can soar. If you connect a qrp rig to the unloaded supply and then switch the rig on, I am sure that there will be a transient overvoltage condition at first. I would be very careful using such a supply - It might be no bargain at all. There is also the question of RF noise, which switching supplies tend to generate. This can often be ignored, or swallowed up, by digital circuitry, but high-gain, high-frequency circuitry is much less

tolerant.

Hope my two cents worth helps.

73,

Rich Meiss, WB9LPU

On Mon, 4 Jun 2001, Phinizy, William wrote:

> Matthew, AD5AP, is having difficulty posting to QRP-l and cannot get the
> list server to respond. He asked me to post the following question -- a real
> goodie -- on the list:
> Gang,
>
> I ran across a used PC power supply at a garage sale last weekend. The price
> was too good, so its now mine. Does anyone have any experience and/or advice
> on using such a power supply for radios? Can I just plug and chug, or should
> special precautions be taken in using it?
>
> 72's de Matthew, AD5AP
>
> (It is not necessary to reply to me; please reply to the list or directly to
> Matthew at mwc@okstate.edu.)
> W. H. Phinizy, K6WHP
> Principal Engineer
> FileNET Corporation
>
>

Date: Mon, 4 Jun 2001 11:45:30 -0500
From: "Wishart, John" <John.Wishart@compaq.com>
To: rsstone@juno.com, qrp-l@lehigh.edu
Subject: [99381] Unicounter Problem
Message-ID: <01D6DAE156EC544B826BFBC6DC7CC45142F658@cxoexc11.americas.cpqcorp.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Ron & QRP-L,

I built up the Unicounter
(<http://homestead.juno.com/rsstone/unicounter.html>) over the weekend. No
problems with construction. Initial programming went fine, per page 4 of the

instructions. Calibration, however, did not proceed well. I was not able to get a proper frequency readout, except for 5 sequential zeros and the decimal point (00000. in sequence) when connected to a signal source. This behavior is what occurs at power-up, whether connected to the test signal or not.

I had it hooked up to a function generator looking at a 5 MHz, 1 Volt peak-to-peak sine wave. I also had an HP frequency counter and an oscilloscope connected, so I know the test signal was present and working. I am using a fresh 9V alkaline battery for the power source. I am using a standard BNC (50 ohm) cable with a couple of test clips to connect to the Unicounter RF input lead and ground (about 10" of RG-174).

I have verified all parts are installed correctly per the instructions and I have checked for cold solder joints. I resoldered a few connections that might have been questionable, but the behavior did not change.

Any suggestions on what to look at next? I have access to a wide variety of electronic test gear at work.

Thanks,
John Wishart, KC0JFH

Date: Mon, 4 Jun 2001 12:03:41 -0500
From: "Rick Austin" <rick@ltcable.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99382] Re: Using Computer Power Supplies with Radios
Message-ID: <008a01c0ed18\$4f49ab80\$0201a8c0@ricksnote>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am using a Dell Notebook Power supply intended for a Latitude LM133 of 1996 vintage. It puts out a steady apparently well regulated 16.5 volts regardless of load (including no-load). My OHR Explorer II seems to be none the worse for the slight overvoltage.

Rick Austin

----- Original Message -----
From: <igeq100@iupui.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, June 04, 2001 11:44 AM
Subject: Re: Using Computer Power Supplies with Radios

> Hi, Matthew -
>
> I can't answer the question completely, but I do know that the
> typical switching-type computer power supply needs a minimum fixed load to
> work properly, and that without such a load the output voltage can soar.
> If you connect a qrp rig to the unloaded supply and then switch the rig
> on, I am sure that there will be a transient overvoltage condition at
> first. I would be very careful using such a supply - It might be no
> bargain at all. There is also the question of RF noise, which switching
> supplies tend to generate. This can often be ignored, or swallowed up, by
> digital circuitry, but high-gain, high-frequency circuitry is much less
> tolerant.
>
> Hope my two cents worth helps.
>
> 73,
>
> Rich Meiss, WB9LPU
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> > special precautions be taken in using it?
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> > (It is not necessary to reply to me; please reply to the list or
directly to
> > Matthew at mwc@okstate.edu.)
> > W. H. Phinizy, K6WHP
> > Principal Engineer
> > FileNET Corporation
> >
> >

>

Date: Mon, 04 Jun 2001 12:05:17 -0500
From: "J. W. (Dub) Thornton" <dub@oklahoma.net>
To: qrp-1@lehigh.edu
Subject: [99383] RE:Need Schematic/parts list
Message-ID: <5.0.2.1.2.20010604120335.022ce010@mail.oklahoma.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I wrote:

I would like to try my hand at rollin my own 20 meter SST. Anybody have a schematic & parts list I could get? Happy to re-imburse for expenses. Thanks!

GANG: I have located what I need locally. Many thanks for your replies & offers for help. "72"

-
J. W. (Dub) Thornton WA5YFY
Minco, OK.

Date: Mon, 4 Jun 2001 12:18:01 -0500 (EST)
From: <igeq100@iupui.edu>
To: Rick Austin <rick@ltcable.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99384] Re: Using Computer Power Supplies with Radios
Message-ID: <Pine.GS0.3.96.1010604121508.17412B-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Rick -

I think that you are right about using a lap-top supply. I had assumed that the original question was about a desktop supply with the multiple voltages, etc. I am now using a small switching supply (in the line cord type) with good results. So if this is the case, probably "plug and chug" would be OK.

73,
Rich, WB9LPU

On Mon, 4 Jun 2001, Rick Austin wrote:

> I am using a Dell Notebook Power supply intended for a Latitude LM133 of
> 1996 vintage. It puts out a steady apparently well regulated 16.5 volts
> regardless of load (including no-load). My OHR Explorer II seems to be none
> the worse for the slight overvoltage.

>

> Rick Austin

>

>

> ----- Original Message -----

> From: <igeq100@iupui.edu>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Monday, June 04, 2001 11:44 AM

> Subject: Re: Using Computer Power Supplies with Radios

>

>

> > Hi, Matthew -

> >

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> > typical switching-type computer power supply needs a minimum fixed load to
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> > supplies tend to generate. This can often be ingored, or swallowed up, by
> > digital circuitry, but high-gain, high-frequency circuitry is much less
> > tolerant.

> >

> > Hope my two cents worth helps.

> >

> > 73,

> >

> > Rich Meiss, WB9LPU

> >

> >

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> > > (It is not necessary to reply to me; please reply to the list or
> directly to
> > > Matthew at mwc@okstate.edu.)
> > > W. H. Phinizy, K6WHP
> > > Principal Engineer
> > > FileNET Corporation
> > >
> > >
> >
>
>

Date: Mon, 4 Jun 2001 13:35:45 -0400 (EDT)
From: Paul Mills <cybrinjn@gis.net>
To: qrp-1@Lehigh.EDU
Subject: [99385] PSK for Linux (fwd)
Message-ID: <Pine.LNX.4.20.0106041324020.464-100000@daystar.gis.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Haven't tried this prog yet, but probably will soon. There are
sometimes problems with Linux progs that use I/O. Are you
running as a regular user? Have you tried using it as
root? If the prog works as root but not as regular user, then
it is a permission problem. You need to change the permissions
of the executable file (not the I/O device!) like this:

```
chmod u+s <filename>
```

that sets the 'suid' bit so you can access the port through the
prog.

HTH
KB1GEJ

<-----c-y-b-r-i-n-j-n-@-g-i-s-.-n-e-t-----<<<<<<<<

----- Forwarded message -----

Date: Sun, 3 Jun 2001 21:59:55 -0600 (MDT)
From: mugglesto@ecentral.com
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: PSK for Linux

I have TWPSK for Linux loaded and running but it will not trigger my com port (ttyS1 or Com2) when I try to send. I did a standard install and everything else works FB.

Anyone else have this problem?

Brad Muggleston, KI00T
Aurora, Arapahoe Cty, Colorado
DM79oq 39.692500N 104.802600W
CQC #170, QRP-L #316, NorCal #2934

Date: Mon, 04 Jun 2001 10:51:48 -0700
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>, QRP-L <qrp-l@lehigh.edu>
Subject: [99386] K1s and K2 are again shipping from stock.
Message-ID: <3B1BCAB4.818ED9B8@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We have finally recovered from the Dayton (and post Dayton) rush. (I still can't believe we sold almost everything we brought the first day at Dayton.. It must have been the rain forcing everyone inside before they could empty their pockets of cash in the flea market :^)

K1s and K2s, along with all their existing accessories, are once again shipping from stock. For those of you who want to get something built in time for Field Day, we should be able to get them to you in time if you order soon.

Thanks again to Jim Belt and the 'Mojo Maniacs' who showed off their rigs and answered questions at the SeaPac hamfest. Judging from the response down here you guys did a GREAT job getting folks interested in building their own rigs!

I also heard Ben, NW7DX, stopped by to show how far the CW speed of our rigs could be pushed...

73, Eric WA6HHQ

--

<http://www.elecrafter.com>

Date: Mon, 04 Jun 2001 17:50:34 +0000
From: Paul Kiciak <pkiciak@att.net>
To: wphinizy@filenet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99387] Re: Using Computer Power Supplies with Radios
Message-ID: <3B1BCA6A.83B4B167@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Matt,

>I ran across a used PC power supply at a garage sale last weekend. The price was too good, so its now mine. Does anyone have any experience and/or advice on using such a power supply for radios? Can I just plug and chug, or should special precautions be taken in using it?

I routinely use the +12V output from one with my homebrew rig. I did some additional external filtering since they are all switchers.

I even got inside it and cranked up the +12V to about +14V. Been running it that way for almost two years with no problems.

I don't recommend getting inside one of these power supplies though unless you really know what you're doing.

73,
Paul, N2PK

<http://home.att.net/~n2pk>

Date: Mon, 4 Jun 2001 10:55:01 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-1@lehigh.edu>
Subject: [99388] Re: Using Computer Power Supplies with Radios
Message-ID: <20010604175501.39075.qmail@web10003.mail.yahoo.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

--- "Phinizy, William" <wphinizy@filenet.com> wrote:

> I ran across a used PC power supply at a garage sale last weekend.
> The price
> was too good, so its now mine. Does anyone have any experience and/or
> advice
> on using such a power supply for radios? Can I just plug and chug, or
> should
> special precautions be taken in using it?

My friend hooked up a RS 10 meter rig to one and it worked fine. I wouldn't hook up a 100 watt QRO rig to it though. Not sure how stable those supplies are when really they get hit hard by a sudden spike to 20 amps.

73!

Jeff

=====

AB6MB

NorCal QRP Club #65, QRP-L #1780, ARCI 10071

Radical FIST Member 6798

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a year! <http://personal.mail.yahoo.com/>

Date: Mon, 4 Jun 2001 13:56:35 -0400

From: "Hare,Ed, W1RFI" <w1rfi@arrl.org>

To: "'dk3red@t-online.de'" <dk3red@t-online.de>, Low Power Amateur Radio
Discussion <qrp-l@Lehigh.EDU>

Subject: [99389] RE: QRP Classics

Message-ID: <125490A005E3D3118C9C00805FC743CC023B2FA1@KAHLESS>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Unfortunately, QRP Power is a different book than QRP Classics.

73,

Ed Hare, W1RFI

ARRL Lab
225 Main St
Newington, CT 06111
Tel: 860-594-0318
Internet: w1rfi@arrl.org
Web: <http://www.arrl.org/tis>

> -----Original Message-----

> From: Ingo DK3RED [mailto:dk3red@t-online.de]

> Sent: Monday, June 04, 2001 2:57 AM

> To: Low Power Amateur Radio Discussion

> Subject: QRP Classics

>

>

> Hello Paul,

>

> > Fellas, I just can't get hold of a copy of QRP Classics (ARRL) over

> > here. Has anyone outgrown their copy and is willing to sell

> it? Please

> > let me know your price and we'll make a deal.

>

> You can buy this book (now named "QRP Power") i.e. by the German

> Magazine Funkamateuer for 24 DEM + shipping (15 DEM inside europe).

> Shipping is the same for 1 or for more books, xtals...

>

> <http://www.funkamateuer.de/cgi-bin/fashop/lite25?UCFHDP6e;;37>

>

> 72 de Ingo, DK3RED

>

> E-Mail: dk3red@qsl.net - Homepage: www.qsl.net/dk3red

>

>

Date: Mon, 04 Jun 2001 11:37:25 -0700

From: "laura halliday" <marsgal42@hotmail.com>

To: qrp-l@lehigh.edu

Subject: [99390] Re: PSK for Linux

Message-ID: <F22YFkuutSgc0rBLSAQ00005e69@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

Brad KI00T wrote:

>I have TWPSK for Linux loaded and running but it will not

>trigger my com port (ttyS1 or Com2) when I try to send.
>I did a standard install and everything else works FB.

What is the error message?

Make sure the serial ports are writable. By default,
only root can write to them.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Mon, 4 Jun 2001 10:53:43 -0700
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-1@lehigh.edu>
Subject: [99391] End of the Run, the SMK-1's are gone!!
Message-ID: <01c0ed1f\$4ba138c0\$330b0d0a@doug.dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The last SMK-1 was sold just a couple of minutes ago. Thanks for your support. We did 1040 of these kits, and it is very gratifying to know that it was so well accepted and that it worked so well. The objective was to provide a training course and to prove that the ordinary ham can build using SMT parts. We succeeded beyond our wildest dreams and expectations. Special thanks to Dave Fifield for his adaptation of the Tuna Tin 2 and the MRX Receiver to surface mount and for designing and laying out the board. To Mike Camp and the crew for bagging the parts. To Jim Cates for processing the orders and shipping all of those kits. To all of you for buying the kit and giving it a try. Thanks. We proved that hams can build with Surface mount parts, we even proved that the rig could make a surprising number of contacts, and we encouraged several designers that it was possible to use surface mount parts in their kits.

We are working hard on the Mini Stinger designed by Dan Tayloe, and are just finishing up the last few details and bugs (the hardest part). Look for a kit this fall, 85% surface mount, using state of the art parts (some will be premounted) and even a few through hole parts where they work best. It will be a 40 meter transceiver, and it will be a full featured rig with great specs and lots of features that you will love. It will be a great fox and

contesting rig. Lots of you saw the design at Pacificon last year, and Dan and Dave have been working very hard on it. Dan is the designer, Dave is helping with the board layout, packaging and debugging. We should go to Prototype PCB #1 sometime this month. Thanks for all of your patience.
72, Doug

Date: Mon, 4 Jun 2001 14:32:35 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [99392] Re: Op Amps. Interchangable?
Message-ID: <200106041904.f54J4Y417745@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> Rick Campbell suggested using the TL074 as a replacement for the NE5514s
> in a Tech. Correspondence note in QST, Feb. '96. He said it had lower
> noise but not much drive capability, though. There may be better choices.

I like the STMicroelectronics TS92x series of cmos rail to rail op amps. They are low noise (9nV/srtHz), have high current (80ma) outputs, high speed (4 MHz) and work from 2.7 to 12 volts. I used two of the op amps in a quad package as a differential output "Bridge" amplifier and was able to drive a small 8 ohm speaker directly.

TS922IN for a dual 8 pin dip version, TS924IN for a quad. Not all that expensive either, \$1.18 for the dual and \$1.54 for the quad. Mouser stocks them.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 4 Jun 2001 14:32:36 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [99393] 20<=>6 transverter
Message-ID: <200106041904.f54J4a417764@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

It was a cold and rainy weekend up here in the woods, so I decided to redesign my 6M transverter to make it reproducible and incorporate a power output stage, something my original one lacked.

Came out pretty good. Looks good on the bench at any rate. Puts out about 1.5 watts CW / 2W pep SSB and now has RF sensed electronic T/R switching. Now I guess I have to build an antenna and see if I can talk to anyone :-)

So, should I be thinking of making this a kit? I figure it would run about \$50.00....

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Mon, 4 Jun 2001 14:07:55 -0500
From: "Wishart, John" <John.Wishart@compaq.com>
To: qrp-l@lehigh.edu
Subject: [99394] FW: Unicounter Problem
Message-ID: <01D6DAE156EC544B826BFBC6DC7CC45142F68D@cxoexc11.americas.cpqcorp.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Mike & Ron,

Well, removing the ground clip coming from the fxn generator got the signal into the counter and it's giving me digits now. Not the right ones, but digits other than the "0000.". However, now it only gives me 5 digits plus the decimal point and it is not consistent (random numbers). I have the low digit programmed at 1 and the high digit programmed at 7. It seems like it should show something close to 5.000000 in sequence when I have a 5 MHz signal into it. Any further enlightenment?

Thanks for your help.
Regards,
John Wishart, KC0JFH

-----Original Message-----
From: Michael Melland [mailto:w9wis@charter.net]
Sent: Monday, June 04, 2001 11:33 AM
To: Wishart, John

Subject: RE: Unicounter Problem

> I had it hooked up to a function generator looking at a 5 MHz, 1 Volt
> peak-to-peak sine wave. I also had an HP frequency counter and an
> oscilloscope connected, so I know the test signal was present and
> working. I
> am using a fresh 9V alkaline battery for the power source. I am using a
> standard BNC (50 ohm) cable with a couple of test clips to connect to the
> Unicounter RF input lead and ground (about 10" of RG-174).

Try removing the ground clip and letting it float..... any difference ?

73 de Mike, W9WIS

Date: Mon, 04 Jun 2001 15:10:13 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [99395] Re: MH-101 - VFO comes alive in Cajunland
Message-ID: <20010604.140824.4647.0.n5ib@juno.com>

On Sat, 02 Jun 2001 22:54:45 EDT n5ib@juno.com writes:
>My layout is similar to Chuck's.... I started with a larger substrate
board,
>not being quite so confident of being able to do as space-efficient a
>job as The Master. I'll try to get some pics on my web page by Tuesday
of
>next week. <<http://www.qsl.net/n5ib/>>

Had a few spare moments today and the pictures are up on the page now.

72
Jim N6IB

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 4 Jun 2001 14:30:47 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <pgerhardt@hotmail.com>, <qrp-1@Lehigh.EDU>

Subject: [99396] /copper foil tape sources
Message-ID: <002e01c0ed2c\$db4351e0\$4e100a0a@rohredt2000>

Stained Glass supply shops, roofers who do copper flashing and roofs, and model shops with slot car racing parts all carry copper tape.

Another source is bronze weather stripping, which will have the desired springy character for contacts or switch use. That stuff is widely found at Tru Value, and home centers in the weather stripping dept.

72,
Stuart K5KVH

Date: Mon, 4 Jun 2001 15:39:02 -0400
From: "Richard Brummer, K2JQ" <k2jq@bestweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <kd1jv@moose.ncia.net>
Subject: [99397] Re: 20<=>6 transverter
Message-ID: <003601c0ed2e\$060bf7a0\$7404b3d8@obvious>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Monday, June 04, 2001 3:03 PM
Subject: 20<=>6 transverter

>So, should I be thinking of making this a kit?
>I figure it would run about \$50.00....

YESSSSSSS !!!!!!!

What a dumb question !!!! (- :)

73,
Dick K2JQ

Date: Mon, 4 Jun 2001 14:58:42 -0500
From: "Jay Bromley" <w5jay@alltel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99398] Re: End of the Run, the SMK-1's are gone!!
Message-ID: <011901c0ed30\$c229b420\$189b66a6@alltel.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Everyone will think I am sucking up to the old master again. But some of you may not know that Doug gave one of these away with all the trimmings to every young ham he came in contact with. What a nice way to promote QRP and Ham radio.

73 de Jay/W5JAY..

Date: Mon, 04 Jun 2001 16:08:31 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [99399] Re: Manhattan Style - Super Glue Performance With Age?
Message-ID: <20010604.150643.4647.1.n5ib@juno.com>

On Mon, 04 Jun 2001 08:43:54 -0400 "Jim Kortge, K8IQY"
<jokortge@prodigy.net> writes:
>I only use single sided PC board material for my pads,
>AND, sand the bottom of each pad with 220 grit wet and dry
>sandpaper before glueing each pad down.

Here I keep an emery board borrowed from my sweetie (WD5CMA) handy and give a couple of swipes to the pad's bottom (or if I'm feeling particularly obsessive-compulsive that day, or have forgotten my meds, I may even do the edges of the pad to make it smoother, rounder, and more beautiful), which are punched from pre-tinned, 1-sided stock, before touching the pad to a drop of CA on a glass slide. It wicks up some glue (I use the runny kind) and then I place it in position. I find the adhesion of the one-sided pads *much* better than the 2-sided ones, even if they were given an emery board treatment.

Here's another trial balloon - after scrubbing the board with Brillo and Ajax, a good H2O rinse, and a dry with Bounty, I rubbed on, then buffed off, a coat of Johnson's Paste Wax - the Good Old Fashioned kind in the

short, fat, Yellow Can. The CA solvent seems to work like the wax isn't even there. I needed to move a pad recently and it took a good twist with the needle-nose to coax it free. No apparent difference in ease of soldering to the ground plane. And the wax film keeps the board cleaner and neater than I was able to do before. Remains to be seen if there are any long-term ill effects of the wax job, but we'll see....

In any event it seems right in keeping with the whole MH-101 philosophy...

patience grasshoppers....wax on...wax off....

72

Jim N5IB

grasshopper

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Date: Mon, 4 Jun 2001 16:29:14 -0500

From: "Burke Jones" <Burke@howardandhelmer.com>

To: <qrp-l@Lehigh.EDU>

Subject: [99400] Tuners & Keyers

Message-ID: <008701c0ed3d\$68d129a0\$1664a8c0@burke>

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charset="iso-8859-1"

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I will be coming upon a bit of cash in the next couple of weeks that I can spend as I want - so I need a couple of QRP items to go with my radio, antenna, and straight key that I have now. (minimal station - just getting started).

I would like feedback on tuners and keyers that are available as kits. If you have web addresses please include them as well.

Keyer: I will probably build my own set of paddles, and I would like to use the keyer for different rigs - so nothing built into a rig.

Tuner: I am not really sure what I need - but the first antenna that it will

be used on is a SLV, then probably a series of dipoles.

I am sure that you all have used and reviewed a variety of these items - I look forward to your responses!

Burke Jones
NØHYD

End of QRP-L Digest 2210
